GPS COMPASS
SGC-750

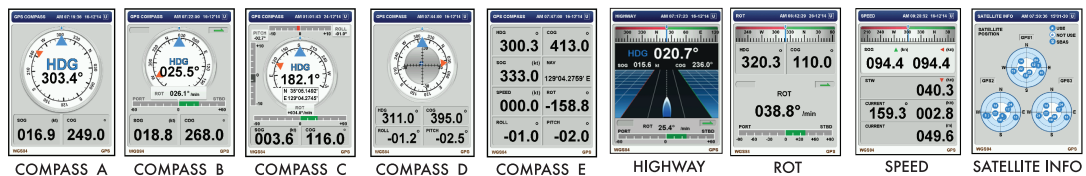| COMPASS_A | COMPASS_B | COMPASS_C | COMPASS_D | COMPASS_E | HIGHWAY | ROT | SPEED | SATELLITE INFO |

- ✓ Compliants with IMO MSC,116(73) Standard
- ✓ High precision and stability(0.5°RMS) of heading with three-axis antenna
- ✓ 5.6 inch vivid color TFT LCD pannel
- ✓ Short set up(within 2mins) and high accuracy
- ✓ Instant tracking response(45°/s)
- ✓ Outputs full performance of intergrated roll, pitch and rate of turn
- ✓ High velocity of data output(max 115200 BPS)

GPS COMPASS
SGC-750

SAMYUNG ENC

Receiver Type	50-channel, L1 Frequency
Rx Frequency	1575.42 MHz (+1MHz)
Rx Code	C/A code, SBAS
Position Fixing System	ALL-in-view, 8-state Kalman filter
Position Accuracy	GPS : 2.5m CEP, SBAS : 2.0m CEP
Heading Accuracy	±0.5°rms
Display Resolution	0.1°rms
Resolution Output	0.1°/ 0.01°(selectable)
Follow-Up	45°/s rate - of - turn
Settling Time	≤ 2 minutes
Roll/Pitch Output	-60℃ - 60℃
Transmission Speed	4800, 9600, 19200, 38400, 57600, 115200 bps
Output Interval	20ms, 25ms, 50ms, 100ms, 200ms, 500ms, 1sec, 2sec, 3sec
Sentence	HDT, ROT, ATT, GBS, GLL, GSA, GSV, MSS, VTG, THS,ALR,DTM,GGA,GNS,GST,RMC,ZDA
Current data Input	1PORT(CUR, VBW)
Alarm contact Signal	2PORT (ALARM OUTPUT), 1PORT(ACK INPUT)
Display Type	5.6inch, TFT color LCD, 480 x 640 pixel
Effective Area	85mm (H) x 113mm (W)
Contrast	10 levels
Display Mode	Highway, Compass, Heading, ROT, Nav', Roll/Pitch, Speed, GPS status
Power Supply	DC12V -24V (15W)
Storage Temperature	-25℃~+75℃
Operating Temperature	PROC'& DISP' :-15℃ ~ +55℃, ANT: -25℃ ~+55℃
Waterproofing	PROCESSOR: IPX2, DISPLAY: IPX4, ANTENNA: IPX6
Vibration	IEC60945
EMC	IEC60945
Compass Safe Distance	0.5M

COMPONENT

STANDARD

DISPLAY UNIT	SGC-750D
ANTENNA UNIT	SGC-750A
PROCESSOR UNIT	SGC-750P

INSTALLATION KIT
MANUAL

OPTION

ANTENNA **STANDARD** 15m **CABLE** (TNC3-15M(3D2VX3)-TNC3)
ANTENNA **EXTENDED** 30m **CABLE** (NP-30M(LMR400)-NP-A)
ANTENNA **EXTENDED** 50m **CABLE** (NP-30M(LMR400)-NP-A)
DATA, 6pin **CABLE** (LTW6-3M-07)
DATA, 10pin **CABLE** (LTW10-3M-11)
DATA, 12pin **CABLE** (LTW10-3M-13)
ANTENNA INSTALLATION BOARD , 035 U-BOLT **TYPE** (SGC-750A-M(S))
ANTENNA INSTALLATION BOARD , 050 U-BOLT **TYPE** (SGC-750A-M(L))
ANTI-BIRD KIT (SGC-750A-BRK)

CONFIGURATION DIAGRAM

PROCESSOR UNIT
SGC-750P

DATA1	NMEA/AD-10	LTW6-3M-07
DATA2	NMEA/AD-10	LTW6-3M-07
DATA3	NMEA/AD-10	LTW6-3M-07
DATA4	NMEA	LTW6-3M-07
DATA5	NMEA	LTW10-3M-11
CONTACT	CONTACT	LTW12-3M-13
DC12/24V	DC 12V /24V	Z3-2M-02

ANT1
ANT2
ANT3

TNC3-15M(3D2VX3)-TNC3 or
NP-30M(LMR300)-NP-A or
NP-50M(LMR300)-NP-A

DISPLAY

LTW8-10M-LTW8

OPTIONAL CABLE

RADAR
ECDIS/GPS PLOTTER
AIS
AUTOPILOT
ALARM SYSTEM
EXTERNAL BUZZER
REPEATER
ETC

DIMENSION

DISPLAY UNIT

176(W) x 76(D) x 170(H) mm /0.7Kg

ANTENNA UNIT

Ø 675 x 164(H) mm /4.8Kg

PROCESSOR UNIT

317(W) x 103(D) x 277(H) mm / 3.5Kg